

**CERVENKA, Vladimir, prof., inz., arch.**

Fifteen years since the nationalization of the Czechoslovak building industry. Poz stavby 11 no. 6: 289-290 '63.

1. Vyzkumny ustav vystavby a architektury, Praha.

CERVENKOVA, E.

Determining defects caused by organisms in surface-water supply. p. 270

VODA (Ustredni sprava vodniho hospodarstvi)

Vol. 35, No. 9, Sept. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

CERVENKA, Rudolf; STEPANEK, Miroslav; VOTAVOVA, Milena; CERVENKOVA, Eva;  
KORBOVA, Milada; KANDLER, Maxmilian

Limnologic study of the reservoir Sedlice near Zeliv. VII. Contribution  
to technique of selecting new algicides. Sbor chem tech 1959: 247-  
290. (KEAI 9:12)

1. Terenni laborator Ustavu higieny v Sedlici a Katedra technologie  
vody Vysoke školy chemickotechnologicke v Praze.

(Czechoslovakia--Limnology)

(Czechoslovakia--Reservoirs)

(Czechoslovakia--Algicides)

STEPANEK, Miroslav; CERVENKOVA, Eva

Limnologic study of the reservoir Sedlice near Zeliv. VIII. Horizontal distribution of the zooplankton in various sections of the reservoir (Protozoa, Rotatoria, Crustacea). Sbor pal vod VSChT 3 no.2:317-362 '60. (EEAI 10:2)

1. Institut gigiyeny i Kafedra tekhnologii vody, Praga.  
(Czechoslovakia--Reservoirs)  
(Zooplankton) (Protozoa) (Rotifera) (Crustacea)

CERVENKA, Rudolf; STEPANEK, Miroslav; VOTAVOVA, Milena; CERVENKOVA, Eva;  
KORBOVA, Milada; KANDLER, Maximilian.

Limnological study of the reservoir Sedlice near Zeliv; part 7: Methods  
of selecting new algicide compounds. Sbor pal ved VSChT no.3, part 1:  
247-290 '59.

1. Terenni laborator Ustavu hygieny v Sedlici; and Katedra technologie  
vedy Vysoke školy chemicko-technologické, Praha.

SERVIT, Z.; DUDAS, D.; MACHEK, J.; STERCOVA, A.; KRISTOF, M.; CERVENKOVA, V.

Reflex effects in the pathogenesis of epilepsy in the light of clinical statistics. Cas. lek. cesk. 101 no.40:1200-1204 5 0 '62.

1. Fyziologicky ustav CSAV v Praze, reditel prof. dr. Zd. Servit.  
(EPILEPSY) (REFLEX)

CERVENY, A.

Statistics of industrial prime cost in Czechoslovakia. Stat  
szemle 37 no.5:523-527 My '59.

1. Csehszlovak Allami Statisztikai Hivatal ipari foosztalyanak  
vezetoje.

CERVENY, Alois, ins.

Planning the repair of production equipment and controlling  
the performance of the plan. Podnik organizace 17 no.3:  
118-121 Mr '63.

1. Statni vyrobny autodilu, Praha.



CERVENY, Alois, inz.

Enterprise plan and working method under conditions of  
standardized records and calculation. Podn org 18 no.10:  
438-441 0 '64.

1. Statni vyrobny autodilu, Prague.

CERVENY, C.

1. "Domestication" is a matter of "improving the form of the 'wilderness' animal," by "selecting" from the "wilderness" animals that "show a natural capacity of being tamed," and "breeding" them "until they are 'domesticated'." (See "Domestication," pp. 10-11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 8

CERVENY, E.

Saving fuel in the operation of railroads. p. 142.  
ZELEZNICE. Vol. 4, no. 6, June 1954. Prague.

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 5, No. 6, June 1956 Uncl.

CERVENY, E.

E. CERVENY, "Erhoehung des technologischen Niveaus in den Walzwerken," Hutnik, Prague, Vol. 5, No. 2, 1955, pp. 33-34.

(Rough translation of title: Rise of the Technological Level in the Rolling Mills)

Brief abstract of article is to be found in Neue Huette, Berlin, Vol. 1, No. 3, Jan 56.

CERVENY, E.

Introducing new technological methods in steel rolling mills. p.225.  
HUTNIK. (Ministerstvo hutniho prumyslu a rudnych dolu) Praha.  
Vol. 5, No. 8, August 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1955.

CERVENY, Eduard

Sbornik celostatni konference valciru ve dnech 29.11., 30.11. a 1.12. 1956 v Praze.  
(Collection of Reports on the National Conference of Rolling-Mill Workers in Prague  
on Nov. 29 and 30, and Dec. 1, 1956. illus.) Prague, Matice hornicke-hutnicka, 1957.  
518 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 33. 24 Sept 57. p. 724.

CERVENY, E.

CERVENY, E. - 1st National Conference of Rolling Mill Workers. p. 2.  
Vol. 7, no. 1, Jan. 1957  
HUTNIK (Ministerstvo Hutního průmyslu a rudných dolů) Praha.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

CERVENY, E.

Increased production of fine profiles and wire in the USSR.

p. 340 (Hutník, Vol. 7, no. 10, Oct. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958



CERVENY, E.

Development of automation in the Soviet rolling mills.

P. 1053. (HUTNICKE LISTY.) (PRAHA, CZECHOSLAVAKIA) Vol. 12, No. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, May 1958

*CERVENY, E.*

PHASE I BOOK EXPLOITATION

CZECH/4260

Velsovský, Anatol, Engineer, and Eduard Červený, Engineer

Válcování (Rolling [of Metals]). Prague, Státní nakladatelství technické literatury, 1959. 616 p. 1,700 copies printed.

Reviewers: Bohumír Ondrák, Engineer, Jaroslav Červinka, Engineer, Maximilián Honzik, Engineer, Bedřich Bukovský, Engineer, Bohumil Pošta, Professor, Doctor, Engineer; Tech. Ed.: František Trla; Resp. Ed.: Ladislav Zelený.

PURPOSE: This book is intended for technicians and workers in rolling shops. It may also serve as a textbook in technical high schools.

COVERAGE: The book purports to contain all information essential to a technician in a rolling shop. The material presented is divided into five parts: I - an introduction to the theory of pressworking and rolling; II - the rolling equipment; III - an introduction to roll pass design; IV - the manufacturing process of the rolled stock; and V - the manufacture of rolled railroad tires and of seamless tubes. The theoretical and practical aspects of the rolling are discussed.

Card 1/15

L 18791-66 FWP(k)/EWT(d)/EWP(h)/EWP(1)/EWP(v)  
 ACC NR: AP6010883 SOURCE CODE: CZ/0034/65/000/010/0708/0717  
 AUTHOR: Cerveny, Eduard (Engineer); Sklenar, Jaroslav  
 ORG: [Cerveny] VUHZ, Prague; [Sklenar] VZKG, Ostrava 53  
 TITLE: Designing the roll pass for the 1150 slabbing mill 14  
 SOURCE: Hutnicke listy, no. 10, 1965, 708-717  
 TOPIC TAGS: metal rolling, steel, automatic control, electronic computer, punched card  
 ABSTRACT: The procedure of the computations for designing the roll pass is explained, and examples are presented in the form of tables for the rolling of ingots of various weights (10, 16 and 24 tons) and steel grades, into slabs of various sizes, with due consideration for automatic control. All the values were adapted to using an electronic computer. Punched cards containing the results of the computations make it possible to compute the setting of the roll pass design of the entire rolling schedule (on about 520 punched cards) in several hours. Orig. art. has: 5 figures, 11 formulas, and 7 tables. [JPRS]  
 SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001  
 SOV REF: 001

Card 1/1

UDC: 621.944.3-412

1 21453-55 EWP(t)/EWP(k) JD/HM

ACC NR: AP6011977

SOURCE CODE: CZ/0057/65/000/007/0275/0281

AUTHOR: Cervený, Eduard (Engineer); Sklenar, Jaroslav

ORG: [Cervený] VUKZ, Prague; [Sklenar] VZKG, Ostrava

TITLE: Technology of slabbing rolling 6

SOURCE: Hutník, no. 7, 1965, 275-281

TOPIC TAGS: metal rolling, metallurgic process

ABSTRACT: The rolling method according to the arrangement of the benches, kinds of ingots rolled, and the position of ingots introduced into the rolling train is described. Optimization of the operation from the points of view of throughput, yield, and the quality of the final product is discussed. The application of the results of the investigation in the design of the Iron Works of East Slovakia is evaluated. The advantages that will be gained in the production of wide plates are described. Orig. art. has: 7 figures and 4 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none

Cord 1/11da

CERVENY, J.

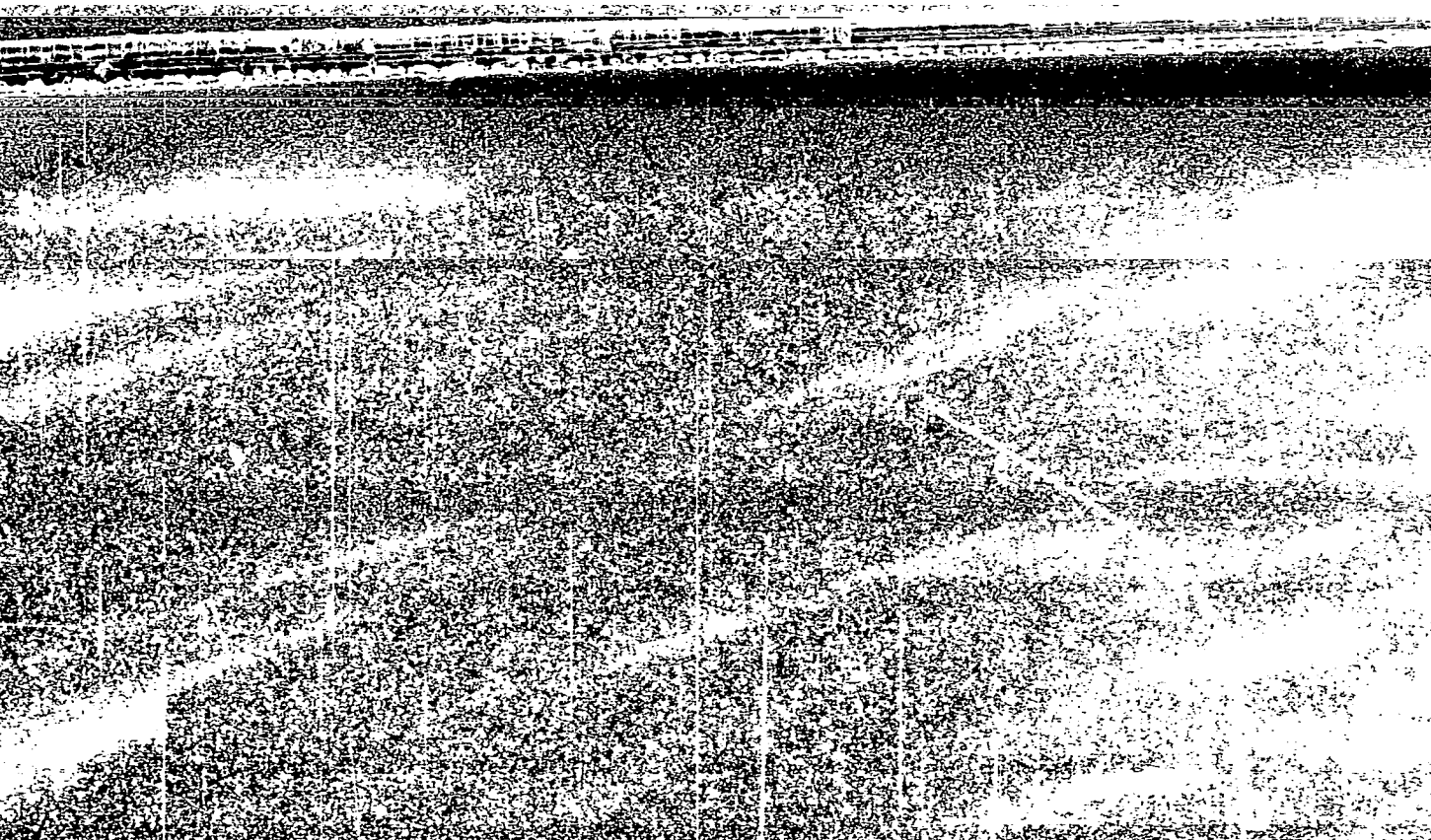
AMS

I

Cerveny, Jaroslav. Namraza na letadlech. (Icing on airplanes) Meteorologické zprávy 4(1-2): 19-21, 1950, 4 figs. MHBH There are four typical causes leading to icing and correspondingly four types of airplane icing, which range from rime to thick, transparent crust of ice. For working out a short-term forecast two elements are necessary: 1) results of radio-section in the desired direction based on the largest possible number of aerological ascents. The icing danger area will be determined from the observed temperature and relative humidity. Subject Headings 1. Icing of aircraft 2. Icing forecast ing- G.T.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308110007-1



APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308110007-1"

Vanilla. Jaroslav Červený and Jan Mícha. *Chem. Abstr.* 29, 37-41, 52-53(1960).—History, botany, origin and source, selection (grades), curing, maceration, and percolation of vanilla beans with 20% alc. by vol. at temp. 30-43° for 11-12 days and aging of vanilla ext. in white oak (*Larrea alba*) barrels lined with paraffin are described. The moisture from the vanilla beans is introduced into the ext. during the maceration and percolation and alc. is decreased to 44-45% by vol. in the finished ext. Evaluation of the vanilla beans and the exts., based on: by Winton (*Analysis of Foods*, 1948, pp. 921-2 (C.A. 20, 12389)) and Wichmann (*A.O.A.C. Methods of Analysis*, 5th ed., 1960, p. 321 (C.A. 20, 47079)) methods, chem. analyses, and adulteration of the exts. is discussed. The exts. from Mexican and Bourbon vanilla beans are of the best quality, each having its own characteristic flavor and aroma. Usually blends of these two are used in baked products and ice cream. For flavoring the optimum quantity of vanilla ext. of standard strength is 3 kg. per 100 kg. of flour in bakery products and 0.6 kg. per 100 kg. of the finished ice cream. Actually much lower quantities are used in the industry; 0.5-1.5 kg. per 100 kg. of flour and 0.3-0.4 kg. in ice cream.  $\text{NaHCO}_3$  destroys vanilla flavorings in baking and pH of the finished baked products should be 6.5 or lower. If vanilla beans are used as such either mixed with sugar or directly added to the batch to be flavored.

CERVENY, Jan

Wings and people. Letecky obzor 7 no.6:176-177 Ja '63.



CERVENY, Jan

~~Remains~~ without illusions. Letecky obsor 7 no.9:272-273 8'63.

CERVENY, Jan

For honor and crops. Letecky obzor 7 no.10:304-306 0 '63.

CERVENY, Jaroslav

Effect of temperature on the heat energy consumption during  
the annual heating period October 16-April 15. ~~Meteor~~ spravy  
18 no.1:1-3 F '65.

1. Hydrometeorological Institute, Prague.

L 31747-66 FCC GW

ACC NR: AP6021161

SOURCE CODE: CZ/0085/65/000/004/0101/0103

AUTHOR: Cervený, Jaroslav

18  
B

ORG: Hydrometeorological Institute (HMI)

TITLE: Typification of meteorological situations

SOURCE: Meteorologické správy, no. 4, 1965, 101-103

TOPIC TAGS: synoptic meteorology, aeronautic meteorology, weather forecasting

ABSTRACT: Various typifications of weather used in processing meteorological elements for the needs of aeronautical and synoptic meteorology as well as weather forecasting are not fully satisfactory with respect to the territory of Czechoslovakia. The present typification of the Hydrometeorological Institute has therefore been re-examined and supplemented. Orig. art. has: 4 figures and 1 table. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 04 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

LS

Card 1/1

UDC: 551.589.1

~~SECRET~~

"Vyroba automobilovych pneumatick. Vyd. 1.7 Praha, Statni nakl. technicka literatura.  
[Manufacture of automobile tires. 1st ed. Illus., footnotes, graphs, index, tables]."  
p.266 (1957, Praha, Czechoslovakia)

Monthly Index of East European Accession (EEAT) 14, Vol. 7, No. 3, 1958

L 47086-66

EWP(e)/EWP(t)/ETI/EWP(k) IJP(c) JD/HW/JG

ACC NR: AP6019416 (A) SOURCE CODE: CZ/0078/66/000/005/0003/0003

AUTHOR: Kvetensky, Miroslav (Engineer; Ostrava); Foldyna, Vaclav (Engineer; Ostrava); Bernasek, Jaroslav (Engineer; Ostrava); Cerveny, Josef (Candidate of sciences; Ostrava)

ORG: none

TITLE: Improved method of manufacturing quality steel tubes from ingots. CZ Pat. No. PV 2229-64, Class 7

SOURCE: Vynalezky, no. 5, 1966, 3

TOPIC TAGS: alloy steel, steel tube, annealing, pickling, tube manufacture

ABSTRACT: A method had been introduced for manufacturing tubes and hollow bodies from hard-to-form, refractory, heat-containing and corrosion-resistant alloy steels, chromium, nickel, manganese, and other additives such as molybdenum, vanadium, tungsten, titanium, niobium, boron, silicon, aluminum, cobalt, nitrogen, and copper, and which are prepared as ingots, roll products, forgings, centrifugal castings, or crude castings drilled through the longitudinal axis. The method uses a two-or three-stage process in which the semiproduct undergoes gradual pressing or piercing operations which result in reducing its diameter by 70—95%. Between the

Card 1/2

L 47086-66

ACC NR: AP6019416

forming operations, the billet is cooled and then by annealed at 800-850C and again slowly cooled; it can also be cooled at a controlled rate in the furnace. The surface of the hollow (inner cavity) has to be pickled and machined before each pressing. Afterwards, it is either rolled on a pilger mill and normalized at 900-1150C, or annealed at 680-800C, and its surface is then finished by pickling, pickling and blasting, or pickling and leaching. [KP]

SUB CODE: 13, 11/

SUBM DATE: 17Apr64/

Card 2/2    at

CERVENY, K.

"Organization of work in group stables; a temporary arrangement."

P. 9. (Ministerstvo zemědělství. Hlavní správa jednotných zemědělských družstev)  
—Praha, Czechoslovakia.) Vol. 11, no. 12, Dec. 1957.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958



10735\* Corrosion Protection of Parts by Means of Vapor-Phase Inhibitors. Ochrana ocelových výrobků výparovými inhibitory koroze. (Czech.) L. Červený. Strojírnický, v. 6, no. 1, Jan. 1956, p. 44-47.

Properties and technology of vapor-phase inhibitors. Tests of the effectiveness of dicyclohexyl amine-nitrite as a rust inhibitor, under chemical-industry, marine, and other conditions. Photographs, table, graph. 6 ref.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
~~CERVENY, L.~~ Their Application . Corrosion. Protection from  
Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25466  
Author : Cerveny Ladislav, Bartonicek Robert.  
Inst : -  
Title : Corrosion Studies. XIV. Hydrolytic Transfer of 2-Methyl-  
butanol-2 Chromate from Hydrocarbon Phase to the Aqueous  
and Its Utilization as Corrosion Inhibitor for Steel.  
Orig Pub : Chem. listy, 1956, 50, No 12, 1880-1884; Sb. Chekhosl.  
Khim. rabot, 1957, 22, No 3, 908-913.  
Abstract : For passivation of steel use is made of the chromate of  
2-methylbutanol-2 readily soluble in non-polar solvents,  
such as for example vaselin oil or other products of  
petroleum refining, and rapidly hydrolyzed, on contact  
of such a solution with water, as a result of which there  
is liberated the  $\text{CrO}_4^{2-}$  ion which passivates the

Card 1/2

- 8 -

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Applications. Corrosion. Protection from Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25466

surface of steel. The preparation is not a chemical entity; it is prepared by mixing tert-pentanol, at - 50°, with  $\text{CrO}_3$  dissolved in vaselin oil, and filtering off the insoluble residue. Content of  $\text{CrO}_4^{2-}$  in oil amounts to 0.90%. Rate of transfer of the ester from oil into aqueous phase has been investigated as a function of time. Further, were studied the correlations between electrode potential of steel and the concentration of corrosion inhibitor in hydrolyzate, and between hydrolyzate pH value and concentration of  $\text{CrO}_4^{2-}$ . It was found that the ester is hydrolyzed with sufficient rapidity and that steel is passivated already at a concentration of 0.01 g  $\text{CrO}_4^{2-}$  per liter. Results show that organic chromates greatly enhance the protective properties of oils and that they can be utilized in practice. Communication XIII see RZhKhim, 1957, 59687.

Card 2/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application - Corrosion. Protection from  
Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25467  
Author : Bartonicek R., Gerveny L.  
Inst : -  
Title : Passivating Corrosion Inhibitors as Petroleum-Base  
Protective Agents.  
Orig Pub : Strojirenstvi, 1957, 7, No 3, 199-204.  
Abstract : See preceding abstract.

Card 1/1

- 9 -

COUNTRY : CZECHOSLOVAKIA  
 CATEGORY : Chemical Technology. Chemical Products and R  
 Their Applications. Corrosion. Corrosion Control  
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 61243  
 AUTHOR : Bartonicek, R.; Cervený, L.  
 INSTITUTE : *Výzk. ústav organ. materiálů, Prague.*  
 TITLE : Organic Chromates as Passivating Corrosion Inhi-  
 bitors for Metals Protected by Petroleum Greases  
 ORIG. PUB. : Chem. průmysl, 1958, 8, No 12, 622-628

ABSTRACT : Passivating action of certain complex esters  
 of chromic acid with tertiary alcohols and its  
 compounds with amines were studied. Solubilities  
 of these substances in water, in hydrocarbons  
 and the rate of their transfer from solutions  
 in hydrocarbons into the water phase were inves-  
 tigated. This data permitted establishing basic  
 conditions that provide satisfactory protection.  
 On the basis of a correlation of the diffusion  
 rate of water through a grease film and of the  
 transfer of  $\text{CrO}_4^{2-}$  into the water phase, the  
 minimum concentration of an organic chromate per

Card: 1/2

H - 12

CERVENY, LADISLAV

Distr: hE3d/hE2c(j)/hE2c

Corrosion studies. XXI. Passivation of zinc by chromium *tert*-butyl alcoholate in the gas phase. Ladislav Cervený (Výzkumný ústav ochrany materiálů, Praha). *Chem. listy* 52, 2205-11 (1958); cf. C.A. 53, 1747. A method is suggested for the passivation of Zn by the gas phase contg. vapors of chromium *tert*-butyl alcoholate (I) as the passivation agent. The rate-dtg. factor of the passivation process at const. tension of the I is the partial pressure of the air. The Zn passivated by this method has a higher corrosion resistance than the Zn passivated by chromic acid soln. XXII. Activation energy of the passivation of iron in sulfuric acid. Karel Smrček, Ivan Šekerka, and Jan Vorlíček. *Ibid.* 2212-6. The temp. dependence of the rate of dissoln. of iron in H<sub>2</sub>SO<sub>4</sub> solns. up to 96% was detd., and the activation energies were computed. The dependencies of the activation energy and of the soly. of iron in H<sub>2</sub>SO<sub>4</sub> on the H<sub>2</sub>SO<sub>4</sub> concn. have a different character. There is no dis-

inct difference between the activation energy in the passivity range of iron and the activation energy in the activity range. Unlike other metals, the dissoln. of iron at low H<sub>2</sub>SO<sub>4</sub> concns. is controlled by the chem. reaction and by the diffusion in the passivity range. B. Eide

9  
2-ray  
1-inje/mm  
3

11  
dc

JK JG  
HC

CERVENY, L.

Distr: 4820

Passivation of zinc by means of *tert*-butyl chromate in the vapor phase. Ladislav Cervený (Staatl. Forschungsinst. Materialschutz, Prague). *Werkstoffe u. Korrosion* 9, 683- (1958).—In an investigation of the passivation of Zn by the title compd. the following were studied: (1) the ability of the chromate to passivate metals in an aq. medium; (2) the kinetics of its transition into the vapor phase; and (3) the mechanism of the inhibiting effect of its vapor on Zn. M. F. Quady

Card 1/1

CAS

ahf

3  
1-MR/JO  
/

COUNTRY : Czechoslovakia H-4  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 22 1959, No. 78918  
AUTHOR : Cervený, L.  
INST. : Not given  
TITLE : New Processes for the Protection of Metal Articles  
from Corrosion During Sea Transport  
ORIG. PUB. : Techn Praca, 11, No 2, 127-133 (1959)  
ABSTRACT : The author reviews the problems connected with  
the protection of metal articles during overseas  
shipment. The properties of plastic films and  
of 'cocoon'-type coatings in the protection of  
the surfaces from moisture are described. Various  
methods for the application of additives and of  
volatile corrosion inhibitors are discussed.  
D. Yakesh

CARD: 1/1



CERVENY. L.

"Corrosion studies." XXI. Passivation of zinc by chromium tert-butylate in the gaseous phase. In German. p. 1400.

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Praha, Czech.  
Vol. 24, No. 5, May 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6, Sept. 59

Unclassified

CERVENY, L

PHASE I BOOK EXPLOITATION

SLOVAK/4838

Békés, Jan, Rudolf Čelko, Ladislav Červený, JuraJ Hauser, Professor, Engineer  
Ladislav Herbanký, Stelan Kissóczy, Ondrej Lipták, and Jan Nebesky, all engi-  
neers.

Obrábání kovov (Machining of Metals) Bratislava, Slovenské vyd-vo techn. lit-ry,  
1960. 467 p. 2,000 copies printed.

Scientific Ed.: JuraJ Hauser; Reviewers: Evžen Hirschfeld, Professor, Engineer,  
Doctor, and Eugen Chaloupeky, Engineer; Ed.: Pavol Palfy, Engineer; Resp.  
Ed.: Pavol Holéczy, Engineer; Tech. Ed.: Karol Holásek.

PURPOSE: This book is intended as a textbook for students of schools of higher  
technical education. It may also be used by technical personnel in machine-shop  
practice.

COVERAGE: The book presents the theoretical fundamentals of metal machining. The  
construction of machine tools is described and sample machining problems are  
given. Also discussed are the measuring and inspection of machine parts and

Card 1/10

Machining of Metals

SLOVAK/4838

machine tools, and the selection, planning, and economy of machining processes. The book is supplemented with standards. The chapters were written as follows: J. Bekeš, Chs. 2 and 5; R. Celko, Ch. 7; L. Červený, Chs. 9, 10 and 20; J. Hauser, Chs. 1, 16, 21, 22, 23, and Section 9 of Ch. 20; L. Herbanský, Chs. 8 and 13; S. Kissóczy, Chs. 4, 11, and 17; O. Lipták, Chs. 12, 14, 15, 19, and Section 2 of Ch. 7 and Section 2 of Ch. 8; J. Nebeský Chs. 3, 6, 18 and 24. The authors thank their assistants V. Bulla, Engineer, J. Potocký, Engineer, and F. Barinek. There are 187 references: 108 Czech, 39 Soviet, 17 German, 11 Slovak, 7 English, 3 Hungarian, 1 French, and 1 Polish.

TABLE OF CONTENTS: [Reduced]

[Foreword	15]
Ch. I. Introduction	17
Ch. 2. Theoretical Fundamentals of Machining	20
1. Basic concepts and chip generation	20
2. Tool materials	32
3. Cutting forces and power required	39
4. Thermal phenomena in cutting	45
5. Wear of the cutting edge	47

Card 2/10

Machining of Metals

SLOVAK/4838

2. Treatment of blanks before machining	93
3. Measuring and laying out the blanks	94
Ch. 6. Mechanical Machining	98
1. Requirements imposed on machine tools	98
2. Machine-tool drives	103
3. Machine-tool transmissions	103
4. Stepped transmissions	107
5. Continuous transmissions	111
6. Straight-line drives	114
Ch. 7. Turning	117
1. Basic concepts	117
2. Turning tools	118
3. Lathes	125
4. Gap lathes, vertical lathes and vertical boring mills	143
5. Relieving lathes	145
6. Copying lathes	147
7. Turret lathes	149

Card 4/10

Machining of Metals

SLOVAK/4838

8. Automatic and semiautomatic lathes	156
9. Special lathes	167
Ch. 8. Milling	
1. Basic concepts	169
2. Milling cutters	169
3. Classification of milling machines	174
4. Holding of milling cutters	181
5. Clamping the workpiece in milling	188
6. Selecting the cutting conditions for milling	190
7. Operation of milling machines and attachments	191
8. Horizontal-type milling machines	195
9. Special milling machines	202
	206
Ch. 9. Drilling, Reaming, Countersinking	
1. Drilling	214
2. Finishing and spot-facing of holes	214
3. Holding milling cutters and the workpiece on the drilling machines	224
	228

Card 5/10

Z/031/62/010/012/002/002  
D006/D102

AUTHORS: Červený, Ladislav, Engineer, Loydová, Božena, and Solařík,  
Pavel

TITLE: Preservative wax for corrosion protection of products in the  
tropics

PERIODICAL: Strojírenská výroba, no. 12, 1962, 606-607

TEXT: Problems of corrosion protection of products during their transportation in the tropics are briefly dealt with. Paraffin-polyethylene-ceresine base waxes used so far failed to provide satisfactory corrosion protection in the tropics mainly due to their low drop point. A new polyethylene-modified, paraffin-base protective wax, containing corrosion-inhibiting and hydrophobic additives, is produced by the Východočeské chemické závody, n.p., závod Synthesia (East-Bohemian Chemical Works, n.p., Synthesia Branch Plant) in Uhřetěves. Marketed under the trade name SILIVOSK, the product contains silicon oil as hydrophobic additive. Its drop point is 100°C and it forms a solid film of wax consistency on the product. It is

Card 1/2

Preservative wax for corrosion ...

Z/031/62/010/012/002/002  
D006/D102

suitable for all kinds of metal products regardless of their surface finish. Dissolved in lacquer-grade gasoline, the preservative can be applied at room temperature by spray gun, brush or dipping. The protective film can be removed by conventional methods using a suitable solvent. Excellent results were obtained with this preservative both in laboratory and field tests. Results of long-term tests will be published in a future issue of this periodical. There are 2 figures and 1 table.

ASSOCIATION: Státní výzkumný ústav ochrany materiálu G.V. Akimova (G.V. Akimov State Research Institute of Material Protection), Prague

✓

Card 2/2

CERVENY, L., inz.; NEMEC, M.; HUSAK, B., inz.

Removable coatings protecting electric machines during the  
impregnation of winding. Strojirenstvi 12 no.7:520-522 JI '62.

1. Statni vyzkumny ustav ochrany materialu, Praha (for Cervený  
and Nemeč). 2. Hutni projekt, Praha (for Husak).



CERVENY, Ladislav, inz.; LOYDOVA, Bozena; SOLARIK, Pavel

Preservation wax for protection of products from corrosion in the tropics. Stroj vyr 10 no.12:606-607 '62.

1. Statni vyskumny ustav ochrany materialu G.V. Akinova, Praha.

CERVENY, Ladislav; SOLARIK, Pavel

Protection efficiency of domestic and foreign preservation  
oils. Ropa a uhlí 4 no.12:381 D '62.

1. Statní výzkumný ústav ochrany materiálu G.V. Akimova, Praha.

CERVENY, Ladislav, inz., SOLARIK, Pavel

Some experience with the production and application of preserving wax. Stroj vyr ll no.9:458 S '63.

1. Statni vyzkumny ustav ochrany materialu, Praha.

L 32236-66 EWP(j) RM

ACC NR: AP6020831

SOURCE CODE: CZ/003- '65/013/010/0686/0692

AUTHOR: Cervený, Ladislav (Engineer); Nemec, Miloslav

ORG: [Cervený] Institute of Warehousing Management, Prague (Ustav skladoveho hospodarstvi); [Nemec] State Research Institute for Economic Use of Material, Prague (Statni vyzkumny ustav ochrany materialu)

TITLE: Airtight packaging of large engineering products

17  
B

SOURCE: Strojirenska vyroba, v. 13, no. 10, 1965, 686-692

TOPIC TAGS: packing material, packaging machinery

ABSTRACT: The article discusses the problems of temporary protection and packaging of engineering products for exacting warehousing and transportation. The methods and materials used are described and cost estimates are given. Orig. art. has: 5 figures and 4 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 010

LC

Cord 1/1

UDC: 621.798:382: 621.798.4: 679.5:621.798

EXCERPTA MEDICA Ser 2 Vol 12/2 Physiology Feb 59

758. MEASUREMENT OF TOTAL AND PERIPHERAL CIRCULATION TIMES -  
Měření celkové a periferní oběhové doby - Červený O., Krčálík A.  
and Plátilová H. - CAS. LEK. ČES. 1958, 97/38 (1208-1213) Tables 1  
illus. 3

Investigations were made on the circulation time by means of sodium fluorescein; 130 analyses have been carried out. Fluorescence was always obvious to the eye. This method was used to measure circulation time in the femoral artery - varix on the lower extremity - and the arteriovenous shunts in patients with varices. The patients were afflicted frequently by spasm with intra-arterial administration (10 out of 24 patients had marked spasm despite the simultaneous use of anaesthesia). The circulation time was checked in varices (antecubital vein to varix) in a reclining position, with raised legs, and in a standing position. It has been shown that with varices with a moderate degree of saphenous insufficiency the circulation time is prolonged by 17.2 sec., while severe varices show a prolongation of 62 sec. Raising the extremity 35° shortens the circulation time to about normal levels, i.e. about 30 sec. In extensive varices with a severe degree of insufficiency, the time is shortened but is still higher than in patients with a more moderate degree of varicosities. In an erect posture, varix to antecubital vein circulation time is prolonged to 104 sec., whereas the normal maximum here is about 70 sec. This method appears to be satisfactory in such cases, as well as in other vascular disorders.

FUCIK, M.; CERVENY, O.

Leukemia & gastric secretion. I. Cas. lek. cesk. 97 no.40:1259-1264  
3 Oct 58.

1. IV. interni klinika KU v. Praze, prednosta prof. Dr. B. Prustik.  
(LEUKEMIA, LYMPHATIC, compl.  
histamine-resist. achylia (Pol))  
(LEUKEMIA, MYELOCYTIC, compl.  
same)  
(GASTRIC JUICE  
histamine-resist. achylia in lymphatic & myelocytic leukemia  
(Pol))  
(HISTAMINE, eff.  
same)

CERVENY, O.; FUCIK, M.; RONSKY, R.; SKALA, I.

Leukemia & gastric secretion. II. Blood pepsinogen level & uropepsin excretion in leukemia. Cas. lek. cesk. 97 no.43:1354-1357 24 Oct 58.

(LEUKEMIA, metab.

blood pepsinogen & urinary uropepsin (Cx))

(PEPSINOGEN, in blood

in leukemia (Cx))

(UROPEPSIN, in urine

same)

HRGILEK, A.; CERVENY, O.; PODZIMEK, A.; BOREK, Z.; PLATILOVA, H.

Postphlebotic syndrome. Cas. lek. cesk. 97 no.45:1410-1415 7 Nov 58.

1. IV. interni klinika KU prednosta prof. MUDr. Boh. Prusik clen  
korespondent CSAV. II. chirurgicka klinika KU prednosta akademik  
prof. MUDr. J. Divis. O. C. Praha 2 U nemocnice 499/2.

(PHLEBITIS, compl.

postphlebotic synd. (Cs))



CERVENY, Oldrich; SCHLUPEK, Alexandr

Sclerosing therapy of varices of the lower limbs. Sborn. lek. 61 no.1:  
20-31 Jan 59.

1. IV. interni klinika fakulty vseobecneho lekarstvi Karlovy university  
v Praze, prednosta prof. dr. Bohumil Prusik. II. patologickoanatomicky  
ustav fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta  
prof. dr. Vaclav Jedlicka Dr. O. C., IV. int. klinika, U nemocnice 2,  
Praha 2.

(VARICOSE VEINS, ther.  
sclerosing substances (Cs))

RONSKY, R.; CERVENY, O.; SKALA, I.

Effects of thiospasmine and hydroxythiospasmine on gastric secretion in man. Cas. lek. cesk. 98 no.2:57-60 9 Jan 59.

1. IV. interni klinika KU, prednosta prof. MUDr. B. Prusik . R. R., Praha  
2, U nemocnice 2.

(GASTRIC JUICE

secretion, eff. of 2-cyclohexyl-2-phenylacetoxy-ethyldimethyl  
sulfonium iodide & hydroxy analogue (Cs))

(PARASYMPATHOLYTICS, eff.

2-cyclohexyl-2-phenylacetoxy-ethyldimethyl sulfonium iodide  
& its hydroxy analogue on gastric secretion (Cs))

METYS, J.;ROMSKY, R.;VOTAVA, Z.;CHRVENY, O.;SKALA, I.

The action of anticholinergic substances on gastric secretions.  
Rev. Czech. M. 6 no.1:59-72 1960

1. Research Institute for Pharmacy and Biochemistry, Prague.  
Director: Dr. Ing. O. Nemecek. Fourth Medical Clinic, Charles  
University Prague. Director: Doc. Dr. M. Fucik.  
(MUSCLE RELAXANTS, pharmacol.)  
(GASTRIC JUICE)

CERVENY, O.; RENNER, J.; SCHLUPEK, A.; TVAROH, F.

Use of methylthiouracil in claudicatio intermittens. Sborn.lek.  
62 no.3:69-79 1960.

1. IV. interni klinika fakulty vseobecneho lekarstvi University  
Karlovy v Praze, prednosta prof.dr. M. Fucik. Ustav pro vseobec-  
neho a pokusnou patologii fakulty detskeho lekarstvi University  
Karlovy v Praze, prednosta doc.dr. V. Zelenka. II. patologicko-  
anatomicky ustav fakulty vseobecneho lekarstvi University Karlovy  
v Praze, prednosta prof.dr. V. Jedlicka. KUMZ Praha-Klimentaska,  
endokrinologicke oddeleni, doc.dr. F. Tvaroh.

(INTERMITTENT CLAUDICATION ther.)

(THIOURACIL rel.opds.)

CERVENY, Oldrich

SURNAME, Given Names

(4)

Country: Czechoslovakia

Academic Degrees: MD

First Internal Department of the Bulovka Hospital (I. interni oddeleni nemocnice), Prague 8-Bulovka; Head: L. SYMON, MD;

Director: R. JA OS, MD.

Sources: Prague, Prakticky Lekar, Vol 41, No 8, 1961, pp 351-353.

Data: "Experience With A Combined Treatment of Hypertension With Chlorothiazide."

Authors: CERVENY, Oldrich,  
SYMON, Ladislav

101

CERVENY, Vlastimil; NOVAK, Bretislav

Theoretical amplitude curves of waves reflected from Mohorovicic discontinuity for some models of one-layered earth's crust. Studia geophys 8 no.1:34-44 '64.

1. Geophysical Institute, Charles University, Praha 2, Ke Karlovu 3 (for Cervený).
2. Center of Numerical Mathematics, Charles University, Praha 1, Malostranske namesti 25 (for Novak).

L 39640-65 EWA(h)/EWT(1) Feb

ACCESSION NR: AT5003847

Z/2512/63/011/000/0079/0142

AUTHOR: Cervený, V.; Hron, F.; Novak, B.

TITLE: Reflection coefficients of plane waves of the PP-type for weak interfaces

SOURCE: Československá akademie věd. Geofyzikální ústav. Geofyzikální sborník, v. 11, 1963. Prague, 1964, 79-142

TOPIC TAGS: PP type plane wave, reflection coefficient, refractive index, weak interface, potential coefficient, displacement coefficient, spherical wave, plane elastic wave, seismic sounding, seismic wave propagation

ABSTRACT: The article gives the coefficients of PP-type reflection for values of the index of refraction  $n = a_1/a_2$  between 0.6 and 1.0. These coefficients are important mainly in studying the reflection of plane waves from weak interfaces, i.e., when studying the earth's crust by seismic depth sounding. Both the moduli and arguments of these reflection coefficients are given, and some other functions are tabulated which are important in studying many problems of the propagation of seismic waves, particularly the reflection of spherical waves. The tables were computed at the Numerical Mathematics Center of the Faculty of Mathematics and

Card 1/2

L 39640-65

ACCESSION NR: AT5003847

2

Physics, Charles University, Prague, on an IGP 30 electronic computer. Only the basic equations and notation necessary for a correct understanding of the tables are given, no attempt being made to analyze the reflection and refraction of plane elastic waves on a plane interface. The reflection and refraction coefficients discussed here are the so-called "potential" coefficients, and the expression relating the "potential" coefficients to the "displacement" coefficients is given. Orig. art. has: 24 formulas.

ASSOCIATION: [Cerveny, Hron] Geophysical Institute, Charles University, Prague; [Novak] Numerical Mathematics Center, Charles University, Prague

SUBMITTED: 13Feb63

ENCL: 00

SUB CODE: ES

NO REF SOV: 003

OTHER: 007

Card 2/2116



CERVENY, V.

Reflection of spherical elastic waves at a plane boundary. In English.

P. 343, (Geofysikalni Sbornik) Ceased publication. No. 36/60, 1956 (Published 1957)  
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

Z/023/60/000/001/001/006  
A026/A126

3.9300

AUTHOR: Červený, Vlastislav

TITLE: On the reflection of spherical waves at a plane interface with a refractive index close to unity - II

PERIODICAL: Studia geophysica et geodaetica, no. 1, 1960, 20-41

TEXT: This is the second part of a paper published first in the same periodical, 3 (1959), 116. In the first part, formulae were derived for the potential of reflected and head waves, produced at the incidence of a spherical compressional wave on a plane interface between two media with small velocity difference. Subject second part considers in Chapter 2 the case of an incident harmonic wave, and formulae are derived not for the potential, but directly for the displacement components of corresponding waves. In Chapter 3 it is assumed that the incident spherical wave is not harmonic, but that its time dependence has the form of Heavyside's unit function. The solution for individual waves is also derived in terms of the displacement components. The third part of this paper, to be published in a later issue, will give a detailed physical discussion of the results. Reviewer: J. Vaněk. There are 6 figures, 9 tables and 4

Card 1/2

"On the reflection of spherical waves ...

Z/023/60/000/001/001/006

A026/A126

references: 2 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publications read as follows: A. Erdélyi, W. Magnus, F. Oberhettinger, F. C. Tricomi: Higher Transcendental Functions, Vol. I, McGraw-Hill Book Co., Inc., New York 1953; E. Jahnke, F. Emde: Tables of Higher Functions. B. G. Teubner Vlgges., Leipzig 1952.

ASSOCIATION: Geophysical Institute, Charles University, Prague

SUBMITTED: August 21, 1959

Card 2/2

26907  
Z/023/61/000/002/002/007  
A207/A126

9.9865 (1109, 1317)

AUTHORS: Červený, Vlastislav, Hron, František

TITLE: Reflection coefficients for spherical waves

PERIODICAL: Studia Geophysica et Geodaetica, no. 2, 1961, 122-132

TEXT: The authors investigated the reflection coefficients of spherical waves. The potential of the reflected harmonic wave on a plane interface between two liquid media is formally expressed by the equation

$$\phi = A \frac{e^{ikR}}{R} \quad (2), \text{ where } R \text{ is the distance from the apparent source and}$$

A the modified reflection coefficient. The latter depends on the angle of incidence, the parameters of both media and on the frequency, or wavelength, of the incident wave. With increasing frequency the modified reflection coefficient A asymptotically approaches the values of the reflection coefficient of plane waves  $A_0$ . The article deals with showing the differences between A and  $A_0$ , particularly in the neighborhood of the critical point. Since A and  $A_0$  are complex quantities, the following

Card 1/2

Reflection coefficients...

26907  
Z/023/61/000/002/002/007  
A207/A126

notation is introduced:  $A = A^* \cdot e^{i\varphi^*}$ ;  $A_0 = A_0^* \cdot e^{i\varphi_0^*}$  (3), where  $A^*$  and  $A_0^*$  are the amplitudes and  $\varphi^*$  and  $\varphi_0^*$  the phases of the reflection coefficients  $A$  and  $A_0$ . In sections 2 and 5, formulae are derived for  $A$ . Section 3 analyzes the situation before the critical point ( $\sin i < n$ ); Section 4 in the critical point ( $\sin i = n$ ) and Section 5 beyond the critical point ( $\sin i > n$ ). Around the critical point  $A^*$  always grows with increasing distance and at a certain distance beyond the critical point it has its maximum. The amplitude of reflected spherical waves will not have its maximum in the critical point, as would follow from geometric seismics, but at a certain distance beyond that point. This distance is greater, the nearer the refractive index  $n$  is to one. It is shown that the smaller the frequency, the farther the maximum is shifted from the critical point and also that the position of the maximum practically does not depend on the ratio of the densities. There are 2 tables, 4 figures and 1 Soviet-bloc reference.

ASSOCIATION: Geophysical Institute, Charles University, Prague.

SUBMITTED: November 18, 1960

Card 2/2

CECHOVY, Vlastislav

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Geophysical Institute, Charles University (Geofysikalni ustav  
Karlovy university) , Prague.

Source: Prague, Studia Geophysica et Geodetica, Vol 5, No 4, 1961, pp 319-  
351.

Data: "The Amplitude Curves of Reflected Harmonic Waves Around the Critical Point." /In English/

GPO 981643

Z/023/62/000/001/003/004  
D006/D102

9.9865  
AUTHOR: Cerveny, Vlastislav

TITLE: On the length of the interference zone of a reflected and head wave beyond the critical point and on the amplitudes of head waves

PERIODICAL: Studia geophysica et geodaetica, no. 1, 1962, 49-63

TEXT: The article analyzes the advantages and disadvantages of the known Ott and Brekhovskikh formulae as well as a formula derived by the author for the computation of the head-wave amplitude, and explains the relation of the head and reflected waves to the interference-zone length beyond the critical point. The three formulae give different results especially in the vicinity of the critical point and for a reflection index close to unity. The analysis shows that outside the interference zone, and on the boundaries of the interference zone, the above formulae differ from each other only by a maximum of 5%. Thus the simple asymptotic Ott formula can be used for the computation of the head-wave amplitudes at any distance from the critical point even with a reflection index near to unity. The other two formulae are required only for the computation of amplitudes of reflected waves in the broader sense of the word within the interference zone. There are

Card 1/2

On the length of the ....

Z/023/62/000/001/003/004  
D006/D102

5 figures and 14 references: 2 non-Soviet-bloc and 12 Soviet-bloc. The references to the four most recent English-language publications read as follows: V. Červený, The Amplitude Curves of Reflected Harmonic Waves around the Critical Point, *Studia geoph. et geod.*, 5, (1961), 319; V. Červený, F. Hron, Reflection Coefficients for Spherical Waves, *Studia geoph. et geod.*, 5, (1961), 122; V. Červený, On the Reflection of Spherical Waves at a Plane Interface with Refractive Index Near to One, *Studia geoph. et geod.*, 3 (1959), 116; V. Červený, The Reflexion of Spherical Elastic Waves at a Plane Boundary, *Travaux de l'Inst. Géophys. de l'Acad. Tchécosl. Sc.* No 44, *Geofysikální sborník* 1956, NČSAV, Prague 1957. (Technical editor: J. Vaněk)

ASSOCIATION: Geophysical Institute, Charles University, Prague

SUBMITTED: July 26, 1961

Card 2/2



CERVENY, Vlastislav

The length of interference zone of a reflected wave and a head wave beyond the critical point, and the amplitude of head waves.  
Studia geophys 6 no.49-64 '62.

1. Geophysical Institute, Charles University, Praha 2, Ke Karlovu  
3.

L 34685-66

ACC NR: AP6025859

SOURCE CODE: CZ/0023/65/009/003/0259/0271

AUTHOR: Yepinat'yeva, A. M.; Cervený, Vlastislav

ORG: [Yepinat'yeva] Institute of Geophysics, AN SSSR, Moscow (Institut fiziki Zemli AN SSSR); [Cervený] Geophysical Institute, Charles University, Prague

TITLE: Reflected waves in the region of the second critical point

SOURCE: Studia geophysica et geodaetica, v. 9, no. 3, 1965, 259-271

TOPIC TAGS: critical point, ultrasonic wave

ABSTRACT: The reflection coefficients of plane waves in the region of the second critical angle are analyzed from the point of view of geometric ray theory. The reflection coefficients of plane waves substantially depend on the parameters of the media. This dependence was investigated and it was shown that the position of the maximum of the reflection coefficient beyond the second critical point may be used to determine the velocity of shear waves in the medium below the interface. Examples of experimental materials are given. The authors thank the employees of the Institute of Information Theory and Automation in Prague for the machine calculation of the amplitude of the curves and the employees of the Institute of Computer Mathematics of the Mathematics-Physics Faculty at Charles University in Prague for solving the equations. Orig. art. has: 12 figures and 6 formulas.

[Based on authors' Eng. abst.] [JPRS: 32,859]

SUB CODE: 20 / SUBM DATE: 09Aug64 / ORIG REF: 003 / SOV REF: 006  
OTH REF: 001

PROCHAZKA, J.;CHRVENY, R.;DANKOVA, M.;GRUNBERG, J.

Infectious diseases in adolescents. *Pediat. listy, Praha* 7 no. 3:  
150-153 May-June 1952. (CLML 22:4)

1. Of the Infectious Department of Prague-Bulovka District Hospital.

CERVENY, V.

CERVENY, V. Construction of Finnish 316-a type wooden duplexes. p. 399.

Vol. 4, no. 10, Oct. 1956

POZEMNÍ STAVBY

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

COUNTRY	: YUGOSLAVIA	11
CATEGORY	: Chemical Technology. Chemical Products and Their Applications. Leather.Fur. Gelatine. *	
ABS. JOUR.	: RZKhim., No. 19, 1959, No. 70129	
AUTHOR	: Cik, V., <u>Cervený, V.</u>	
INST.	: -	
TITLE	: New Ashing Method of Pig's Hides	
ORIG. PUB.	: Kozn i ovica, 1958, 7, No 6, 201-207	
ABSTRACT	: A new method of accelerated ashing of pig's hides with the use of promoters is recommended. An even degree of ashing of different hide sections is attained through application of the preliminary smeared ashing administered on the hide's underside. The organoleptical and analytical evaluation of finished leather is explained on the basis of the effect exhibited by the presence of sodium chloride in the ashing solutions. Due to the	
	*Tanning Materials. Industrial Proteins.	
CARD:	1/3	

COUNTRY :  
CATEGORY :

ABS. JOUR. : RZKhim., No. 19, 1959, No. 70129

AUTHOR :

TITLE :

ORIG. PUB. :

ABSTRACT : unevenness in cell structure of various por-  
Con'd tions of pigs' hides it is realistic to em-  
ploy prior to the overall ashing, a liquid,  
to be applied on the underside, containing  
250 gr/l  $\text{Na}_2\text{S}$  and lime in the sufficient  
quantity to bring the density up to 25-28° Be  
(instead of lime, 150-250 gr/l  $\text{NaCl}$  may be  
used) for 24-30 hours, followed by the ashing  
for 1-3 days in a solution of the following  
composition: water (22°) - 1200%,  $\text{Na}_2\text{S}$  (60%  
soln.) - 15% and  $\text{CaO}$  - 4.5%. The calculation  
is based on the dry substance contained in

CARD: 2/3

COUNTRY :	H
CATEGORY :	
ABS. JOUR. :	RZKhim., No. 19, 1959, No. 70129
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT	hides, comprizing normally to 50-60% of fresh
Con'd	hide weight. Instead of sulfides, hydrosulfides of Na and Ca may be used. The addition of NaCl into the ashing solution (from 4.5% to 27%) increases the salting degree of fresh-hides, causing a stronger water action, which results in the overall softer and more reliable leather. -- Z. Lebedeva.
CARD:	3/3

H - 177

H-35  
20578

**COUNTRY:** : Czechoslovakia

**TECHNOLOGY:** : Chemical Technology. Chemical Products and Their Applications--Leather. Fur. Gelatin. Tanning\*

**ABS. JOUR.:** : *Rezhim*, No. 5 1960, No.

**AUTHOR:** : Cik, V. and Cerveny, V.

**INST.:** : Not given

**TITLE:** : A New Process for the Liming of Pigskins

**ORIG. PUB.:** : *Kovarstvi*, 8, No 3, 78-83 (1958)

**ABSTRACT:** : Two methods are proposed for the liming of pig skins, based on the preliminary soaking of the shanks. The above methods level out to some extent differences in the properties of the various parts of the tanned skins. To the thickest portions of the shanks, a composition containing (in % of the wt of the dry skin)  $H_2O$  1,200 (at 22°),  $Na_2S$  (60%) 15%,  $CaO$  4.5%, and the skins are left to stand for not less than one day. The subsequent liming is carried out with a solution containing

**CARD:** 1/2 \*materials. Industrial proteins.



CERVENY, Zdenek; HIRSL, Jindrich

Testing insulators by combined mechanical stress. Energetika  
Cz 14 no.9:427-429 S '64.

1. Research Institute of Electrotechnical Ceramics, Hradec  
Kralove.

CZECHOSLOVAKI. / Organic Chemistry. Organic Synthesis.

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34899.

Author : Lukes, R., Carvinea, O.

Inst : Not given.

Title : Experiments in the Synthesis of Allolupinan  
Series III. Problems in the Derivation of 4-Oxy-  
methylquinolizidino.

Orig Pub: Chem. listy, 1958, 52, No 1, 83-86.

Abstract: As continuation of the preceding work (Ref Zhur-Khimiya, 1958, 64493), a possibility of synthesizing 4-oxymethylquinolizidino (I) was investigated according to the following scheme: 0-methyl-valerolactim (II)  $\rightarrow$  2-(pentono-4')-il -3,4,5, 6-tetrahydropyridine (III)  $\rightarrow$  2-(pentono-4')-il piperidine (IV)  $\rightarrow$  I. After bromination of IV

Card 1/4

G -39

CZECHOSLOVAKIA / Organic Chemistry. Organic Synthesis. G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34899.

**Abstract:** and treatment of the dibromide with  $\text{Ag}_2\text{O}$  only a mixture was obtained of I with 3-oxy-1-azabicyclo-[0,4,5]-undecane (V), the structure of which was proved by reduction up to 4-methylquinolizidine (VI) and 1-azabicyclo-[0,4,5]-undecane (VII). To a boiling solution of  $\text{CH}_2 = \text{CH}(\text{CH}_2)_3 \text{MgBr}$  obtained from 8.75 gr. Mg and 44.7 gr  $\text{CH}_2 = \text{CH}(\text{CH}_2)_3 \text{Br}$  in  $(\text{C}_4\text{H}_9)_2\text{O}$  are added 0.2 mols II in 30 minutes, followed by boiling for 5 hours, by decomposition with ice and  $\text{Ba}(\text{OH})_2$ . 9 gr of III obtained in steam distillation has boiling point of 86-87°/8 mm and  $n_D^{20}$  of 1.4800. The latter is hydrated over  $\text{PtO}_2$  in 1 n HCl and is converted into 2-amylpiperidine of 87-88°/11 mm boiling point; picrolonate of 153-154° melting point. 4.5 gr of III in 30 ml of 23%  $\text{H}_2\text{SO}_4$

Card 2/4

CZECHOSLOVAKIA / Organic Chemistry. Organic Synthesis. G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34899.

Abstract: are reduced for 2.5 hours using 17 volts and 2 amp. and obtain 3.2 gr IV that has 90-91/11 mm boiling point,  $n_D^{18}$  of 1.4758; picrolonate of 160-162° melting point. When III is heated for 8 hours up to 155-160° (2 gr of III with 6 gr HCOOH and 6 gr HCOOK) and subsequently boiled for 4 hours with dilute H<sub>2</sub>SO<sub>4</sub>, a mixture of III, (1 gr) and 2-(4'-oxypentyl)-piperidine (0.8 gr of 137-141/15 mm boiling point) are formed. 2 gr of III are brominated while cooling in 48% HBr. The solution is then vaporized in vacuum, sediment is allowed to stand for 3 days with H<sub>2</sub>O in water, followed by the separation of a mixture of I and V (120-126°/11 mm boiling point) from filtrate. The mixture is then heated for 4 hours with aqueous HBr (saturated at 0°) up to 130-135°, evap-

Card 3/4

G-40

CZECHOSLOVAKIA / Organic Chemistry. Organic Synthesis. G-2

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34899.

Abstract: orated and the residue is hydrated over  $PtO_2$  in water followed by the separation (crystallization from alcohol) of picrate VI that has melting point of  $188-190^\circ$ , and picrate VII of  $160-161^\circ$  melting point. VII can be obtained by synthesis from 2-(5'-methoxypentyl)-3,4,5,6-tetrahydropyridine (VIII) which is hydrated over  $PtO_2$  in HBr (acid), evaporated and heated with 48% HBr at  $140-150^\circ$  and then cyclicized with  $Ag_2O$ . VIII is obtained from  $CH_3O(CH_2)_5MgBr$  and II in  $C_4H_9)_2O$  by boiling for 4 hours. Its yield is 10.1 gr (from 14.1 gr of II) and its boiling point is  $105-108^\circ/12\text{ mm}$ . -- Jan Kovar.

Card 4/4

BIRGUS, J.; CERVINEK, J.

Maternal mortality from lesions of the CNS. Cas.lek.cesk 100 no.46:  
1448-1451 17 N '61.

1. Porod. gynekol. oddeleni OUNZ Frydek-Mistek, prednosta MUDr. Jan  
Birgus. Neurologicke oddeleni OUNZ Frydek-Mistek, prednosta MUDr.  
Jan Vlasak.

(MATERNAL MORTALITY etiol) (CENTRAL NERVOUS SYSTEM dis)

CERVINKA, B., inz.; SANDERA, J., inz.

Three and a half times more productive tube bending.  
Pod org 17 no. 12: 568 D '63.

1. Zavody Vitezneho unora, Hradec Kralove.

MALEK, P.; CERVINKA, F.; SKULOVA, M.; HOUSKA, O.

Epidemiologic studies on pemphigus mastitis strain of Staphylococcus; maternal infection and its relation to newborn infant and environment. *Cesk. gyn.* 18 no.4:299-306 Aug 1953. (CIML 25:4)

1. Of the Institute of Experimental Surgery (Director--Docent B. Spacek, M.D.) and of the Institute of Mother and Child (Director--Prof. J. Trapl, M.D.), Prague. 2. Epidemiological study.



MALEK, P.; CERVINKA, F.; VRUBEL, J.; KOLC, J.

New concepts of etiology and of pathogenic therapy of puerperal mastitis with special reference to pemphigus mastitis strain of Staphylococcus; clinical studies. Cesk. gyn. 18 no.4:306-313 Aug 1953.  
(CJML 25:4)

ANDRLOVA, Olga; CERVINKA, Frantisek; MALKK, Prokop

Contribution to the epidemiology of staphylococcal infections at  
obstetrical wards with special reference to puerperal mastitis.  
Cesk. gyn. 19 no.5:306-312 Oct 54.

1. Ustav exp. a klin. chirurgie, Praha.  
(MASTITIS  
puerperal, epidemiol. in Czech.)

CERVINKA, F

KOCVARA, Svatopluk; CERVINKA, Frantisek: Technika spoluprace:  
Jaroslav Kolacek; Jirina Kolatorova

Quantitative bacteriological examination of the urine. Rozhl.  
chir. 35 no.8:457-473 Aug 56.

1. Ustav klinicke a experimentalni chirurgie, Praha.  
(URINE, microbiol.  
quantitative bacteriol. exam. (Cs))

CERVINKA, F.

HEJHAL, J.; HRDLICKA, Z.; CERVINKA, F.

Problem of postoperative pseudomembranous enterocolitis. Cesk. gastroenter.  
11 no.5:355-360 5 Sept 57.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, reditel doc.

Dr. B. Spacek. J. H., Praha-Krc, Budejovicka 800.

(COLITIS

postop. pseudomembranous enterocolitis (Cz))

(SURGERY, OPERATIVE, compl.

same)

CZECHOSLOVAKIA / Microbiology. Microbes Pathogenic to Man F-5  
and animals. General Problems.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72085.

Author : Malek, P.; Cervinka, F.

Inst : ~~Given. by W.~~

Title : Problem of the Tolerance of Microorganisms to  
Antibiotics in Surgery.

Orig Pub: Rozhl. chirurg., 1957, 36, No 1, 21-31.

Abstract: The authors cite basic data on the appearance of  
tolerance of microorganisms based on their own  
observations and those in the literature. It is  
emphasized that antibiotics, on the one hand cause  
the development of tolerance of microorganisms,  
and on the other, impair the biological equilibrium  
of the organism, making it susceptible to second-  
ary infections. -- From the authors' resume.

INST : Ustav Klinicke a experimentalni chirurgie, Praha.

Card 1/1

PRAT, V.; BENESOVA, D.; PAVKOVA, L.; CERVINKA, F.

Induction of cirrhotic pyelonephritic kidney in rabbits. Cesk. fysiол.  
7 no.4:328-329 July 58.

1. Ustav pro choroby obehu krevniho, Katedra patol. anatomie a mikro-  
biologie fakulty detskeho lekarstvi MU, Ustav pro klinickou a experimen-  
talni chirurgii v Praze.

(PYELONEPHRITIS, exper.

induction in rabbits (Cs))

PRAT, Vladimir; PAVKOVA, Libuse; BENESOVA, Dagmar; CERVINKA, Frantisek

Experimental pyelonephritis. I. The importance of narrowing of the ureter in the excretion of *E. coli* in the urine of rabbits. Cas. lek. cesk. 97 no.47:1465-1472 21 Nov 58.

1. Ustav pro choroby obemu krevnino v Praze, prednosta prof. Dr. Kl. Weber, Katedra patologicke a mikrobiologie fakulty detskeho lekarstvi Karlovy university v Praze, prednosta doc. dr. D. Benesova. Ustav pro klinickou a experimentalni chirurgii v Praze, prednosta doc. dr. B. Spacek. VI. P., Budejovicka 800, Praha-Krc.

(PYELONEPHRITIS, exper.

importance of narrowing of ureter in excretion of *E. coli* in the urine of rabbits (Cs))

(*ESCHERICHIA COLI*, infect.

exper. pyelonephritis, importance of narrowing of ureter in excretion of bact. in urine of rabbits (Cs))

HEJNAL, J.; HRDLICKA, Z.; SCHINDLER, J.; CERVINKA, F. Technická spolupráce:  
Z. Divis, J. Hnatek, M. Hubkova, Z. Linkova, L. Rablova, H. Tazilova,  
H. Vidmarova, A. Zednikova.

Antibiotics in preoperative preparation of the large intestine.  
Rozhl. chir. 38 no.8:507-515 Aug 59.

1. Ustav klinické a experimentální chirurgie v Praze Ustav mikrobiol.  
a epidemiol. EU v Praze.  
(ANTIBIOTICS, ther.) (COLON, surg.)



PRAT, Vladimir; BENESOVA, Dagmar; CERVINKA, Frantisek

Experimental pyelonephritis. II. Appearance of contracted pyelonephrotic kidney in rabbits. Cas. lek. cesk. 98 no.15:461-468  
10 Apr 59.

1. Ustav pro choroby obehu krevniho v Prase-Krci, reditel prof. MUDr. K. Weber. Katedra patologicke anatomie a mikrobiologie fakulty detskeho lekarstvi Karlovy university v Prase, prednosta doc. MUDr. D. Benesova. Ustav klinicke a experimentalni chirurgie v Prase, reditel prof. MUDr. B. Spacek. V. P., Praha-Krc, Budejovicka 800.

(PYELONEPHROSIS, exper.

develop. of contracted pyelonephrotic kidney following inject. of E. coli in rabbits (Cs))

(ESCHERICHIA COLI, infect.

contracted pyelonephrotic kidney in rabbits (Cs))

PRAT, Vladimir; BENESOVA, Dagmar; CERVINKA, Frantisek

Experimental pyelonephrosis. III. Development of hematogenic Escherichia coli infection in rabbits with unilateral hydronephrosis. Cas. lek. cesk. 98 no.15:469-473 10 Apr 59.

1. Ustav pro choroby obahu krevního v Praze, reditel prof. dr. Kl. Weber. Katedra patologické anatomie a mikrobiologie fakulty lékařské KU v Praze, prednosta doc. dr. B. Benesova. Ustav pro klinickou a experimentální chirurgii v Praze, reditel prof. dr. B. Spacek. V. P., Praha-Krc, Budejovicka 800.

(PYELONEPHRITIS, exper.

develop. of acute purulent pyelonephrosis after E. coli inject. in rabbits with hydronephrosis (Cs))

(ESCHERICHIA COLI, infect.

acute purulent pyelonephrosis in rabbits with hydronephrosis (Cs))

(HYDRONEPHROSIS, exper.

develop. after E. coli inject. in rabbits with acute purulent pyelonephrosis (Cs))

MALKOVA, D.; SHMEYKAL, F. [Sme'jkal, F.]; CHERVINKA, F. [Cervinka, F.]

Establishment of the lymphotropic effect of neolymphin in mice.  
Antil .iki 5 no. 5:44-48 S-O '60. (MIRA 13:10)

1. Voennoy institut gigiyeny, epidemiologii i mikrobiologii,  
Praga, Issledovatel'skiy institut antibiotikov, Rostoki pod  
Pragoy i Mikrobiologicheskaya laboratoriya Instituta klinicheskoy  
i eksperimental'noy khirurgii, Praga.  
(NEOMYCIN) (LYMPHATICS)

MALKOVA, Doubravka; SMEJKAL, F.; CERVINKA, F.

Determination of the lymphotropic effect of neolymphin in mice.  
Folia microbiol 6 no.1:40-43. '60. (EEAI 10:5)

1. Military Institute of Hygiene, Epidemiology, and Microbiology,  
Prague(for Malkova). 2. Institute of Antibiotics, Hostok near  
Prague(for Smejkal) 3. Microbiology Laboratory of the Institute  
for Clinical and Experimental Surgery, Prague(for Cervinka)  
(LYMPHATIC SYSTEM) (ANTIBIOTICS) (NEOMYCIN)  
(SODIUM METHACRYLATE)